BRUHAT BANGALORE MAHANAGARA PALIKE

BILL OF QUANTITIES (BOQ)

Name of Work:- Improvements to roads and drains at Kuvempunagar 1st Stage and surrounding areas in ward no.11 in Kuvempunagarar

Item No	Approved Qty	Description	Unit	Issued to Technical Manager, KRIDL.	
				In Figures	In Words
1	354.45	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	207.60	Rupees Two Hundred Seven and Sixty Paise Only
2	542.30	Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work	Sqm	111.30	Rupees One Hundred Eleven and Thirty Paise Only
3	232.42	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.and as per the directions of the Engineer-in-charge of the work	Sqm	742.00	Rupees Seven Hundred Fourty Two Only
4	489.65	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
5	389.04	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm and as per the directions of the Engineer-in-charge of the work	Sqm	1019.72	Rupees One Thousand Nineteen and Seventy Two Paise Only
6	17.22	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only
7	28.95	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5505.64	Rupees Five Thousand Five Hundred Five and Sixty Four Paise Only
8	54.01	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)	Cum	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only
9	3.78	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2	Tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Item No	Approved Qty	Description	Unit	Issued to Technical Manager, KRIDL.	
				In Figures	In Words
10	436.43	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
11	324.56	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)	Cum	1022.74	Rupees Five Thousand Four Hundred Eighteen Only
12	313.52	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)	Cum	56.26	Rupees Four Hundred Thirty Two And Forty Eight Paise Only
13	139.56	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	1994.92	Rupees Eighty Four And Eighty Paise Only
14	470.29	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1	Cum	5210.96	Rupees Eighty Four And Eighty Paise Only

1. The work should be execute as per the specification and standard specification and standard specified by the PWD & Other specifications of the Bangalore Mahanaga palike and directed.
2. The Work should be carried out as per the direction and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

Executive Engineer (Byatarayanapura)
Bruhat Bangalore Mahanagara Palike
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

BRUHAT BANGALORE MAHANAGARA PALIKE

BILL OF QUANTITIES (BOQ)

Name of Work:- Improvements to roads and drains at Kuvempunagar 2nd Stage and surrounding areas in ward no. 11 in Kuvempunagar

Item No	Approved Qty	Description	Unit	Issued to Technical Manager, KRIDL.	
				In Figures	In Words
1	805.73	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	207.60	Rupees Two Hundred Seven and Sixty Paise Only
2	821.14	Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work	Sqm	111.30	Rupees One Hundred Eleven and Thirty Paise Only
3	351.92	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.and as per the directions of the Engineer-in-charge of the work	Sqm	742.00	Rupees Seven Hundred Fourty Two Only
4	270.17	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
5	782.04	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm KBS No.5.4 (P.No-27,I No-5.26.1)	Sqm	1019.72	Rupees One Thousand Nineteen and Seventy Two Paise Only
6	26.07	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)	Cum	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only
7	63.67	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5505.64	Rupees Five Thousand Five Hundred Five and Sixty Four Paise Only
8	123.63	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)	Cum	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only
9	8.65	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2	Tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only
10	785.90	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
11	346.00	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)	Nos	432	Rupees Four Hundred Thirty Two And Forty Eight Paise Only
12	54.43	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter-8 (Page No.180. Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)	Sqm	84.80	Rupees Eighty Four And Eighty Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Item No	Approved Qty	Description	Unit	Issued to Technical Manager, KRIDL.	
				In Figures	In Words
13	321.13	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140-I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)	Cum	1022.74	Rupees Two Thousand Three Hundred Thirty Seven Only
14	160.56	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)	Cum	56.26	Rupees Four Hundred Thirty Two And Forty Eight Paise Only
15	240.85	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1	Cum	5210.96	Rupees Eighty Four And Eighty Paise Only

1. The work should be execute as per the specification and standard specification and standard specified by the PWD & Other specifications of the Bangalore Mahanaga palike and directed.

2. The Work should be carried out as per the direction and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

Executive Engineer (Vijayanagara)
Bruhath Bangalore Mahanagara Palike

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

CONTRACTOR

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in kuvempunagara

Agency: M/s KRIDL

SHEDULE-B

Sl no	App Qty	Description of Work	Approved Rates of M/s KRIDL		
			Unit	Rate in figures	Rate in Words
1	1215.59	Earthwork excavation by manual means for roadsand, drains and similar works in oridinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of colds complete as per specifications complete as per the directions of the Engineer-in-charge of the work	Cum	207.60	Rupees Two Hundred Seven and Sixty Paise Only
2	3402.67	Removing and refixing stone slabs of drain and pointing in CM(1:3) complete as per the directions of the Engineer-in-	Sqm	111.30	Rupees One Hundred Eleven and Thirty Paise Only
3	1214.25	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work	Sqm	742	Rupees Seven Hundred Forty Two Only
4	60.59	Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory	Cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
5	1766.95	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size	Sqm	1019.72	Rupees One Thousand Nineteen and Seventy Two Paise Only

Contactor

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Executive Engineer

Sl no	App Qty	Description of Work	Approved Rates of M/s KRIDL		
			Unit	Rate in figures	Rate in Words
6	53.86	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.53cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery,	Cum	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only
7	15.64	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials,	Cum	5505.64	Rupees Five Thousand Five Hundred Five and Sixty Four Paise Only
8	30.67	Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.430 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour,	Cum	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only
9	1.84	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of	tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Contractor

Executive Engineer

Sl no	App Qty	Description of Work	Approved Rates of M/s KRIDL		
			Unit	Rate in figures	Rate in Words
10	1196.90	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
11	2601	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As	m	432.5	Rupees Four Hundred Thirty Two and Forty Eight Paise Only
12	409.60	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge	Sqm	84.8	Rupees Eighty Four and Eighty Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Executive Engineer
Byatarayanapura Division

BRUHAT BANGALORE MAHANAGARA PALIKE
BILL OF QUANTITIES (BOQ)

NAME OF WORK:-Improvements to roads and drains at Mariyamma Block and surrounding areas in ward no.11 in Kuvempunagar

SL. NO	Approved Qty	Description of Work	Unit	Issued to Technical Manager, KRIDL	
				In Figures	In Words
1	612.02	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80	Cum	207.60	Rupees Two Hundred Seven and Sixty Paise Only
2	216.72	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.27-I.No.5.33)	Sqm	111.30	Rupees One Hundred Eleven and Thirty Paise Only
3	92.88	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.(P.No.27,I.No.5.31.1)	Sqm	742.00	Rupees Seven Hundred Forty Two Only
4	392.08	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
5	387.61	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm KBS No.5.4 (P.No-27,I No-5.26.1)	Sqm	1019.72	Rupees One Thousand Nineteen and Seventy Two Paise Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor

Executive Engineer

SL. NO	Approved Qty	Description of Work	Unit	Issued to Technical Manager, KRIDL	
				In Figures	In Words
6	20.96	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)	Cum	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only
7	61.56	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2	cum	5505.64	Rupees Five Thousand Five Hundred Five and Sixty Four Paise Only
8	121.39	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)	cum	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only
9	8.44	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2	tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only

EXECUTIVE ENGINEER-4
KRIDL R&B DIVISION
BENGALURU-560 010

Signature of the contractor

Executive Engineer

SL. NO	Approved Qty	Description of Work	Unit	issued to Technical Manager, KRIDL	
				In Figures	In Words
10	655.5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
11	301.40	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)	Cum	1022.74	Rupees One Thousand Twenty Two and Seventy Four Paise Only
12	804	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No.146, I.No.19.56)	Sqm	41.34	Rupees Forty One and Thirty Four Paise Only
13	346.59	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)	Cum	56.26	Rupees Fifty Six and Twenty Six Paise Only

EXECUTIVE ENGINEER-4
KRIDL, BRTP DIVISION
BENGALURU-560 010

Signature of the contractor

Executive Engineer

SL. NO	Approved Qty	Description of Work	Unit	issued to Technical Manager, KRIDL	
				In Figures	In Words
14	346.59	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1	Cum	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only

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ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

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